

## ABSTRACT

5 A system and method are provided for inserting Interval Markers in a data stream comprising data blocks. Included is a Buffer having a predetermined number of registers for temporarily and storing data blocks read from a Target System, wherein the Buffer temporarily stores a portion of a data transmission requested from an Initiator System. A Block Counter indicates the number of data blocks in the data stream that have been read into the Buffer. A Marker Offset counter indicates where  
10 an Interval Marker are inserted relative to the data blocks in the data stream. A Data Transmitter transmits the data blocks temporarily stored within the Buffer whenever sufficient data is present in the Buffer and Interval Markers have been inserted if required, wherein the Data Transmitter updates the Block Counter and the Marker Offset counter after the contents of the Buffer have been transferred to the Data  
15 Transmitter. A Marker Insertion Module inserts Interval Markers at positions in the data stream determined by the value of the Marker offset counter, and the value of the Block Counter.